brats are various but they always appear to me to be loosely convolute enclosing the pedicel or pedicels I should say that the want of a tubular or campanulate involucre distinguishes Rocheziece from Eriogoneæ the inflorescence separates them from the other tribes and the other characters are secondary

Why do we always write ochrea - knowing the classical latin word ocrea (a legging) I looked to see what ochrea could be derived from. There is no such latin word. indeed ch itself is not latin except when rendering the Greek χ and in Greek all derivations and compounds beginning with ochr mean yellow or pale - from whence we have ochre ochraceous etc It is clear that Willdenow who first used ochrea in botany meant the latin word ocrea but in the carelessness of the period he spelt it with the h, and he has since been blindly followed I almost all botanists I looked through a number of text books that profess to give the etymologies of botanical terms without finding any explanation of ochrea till at last I found in Dechartre that he gives

25, WILTON PLACE.
S.W.

May 29/79

My dear Gray

Some specimens lately sent me by Engelmann have proved to me that he was right about Rhododendron lapponicum At first not finding any examinable males and not agreeing with him about the transverse arrangement of Arcenthobium I wrote to him still combating his views, but I have now succeeded in finding on his specimens male flowers just ready to open and I find that the plant is a true Rhododendron though very different in aspect from the rest of the genus and I have written to him acknowledging my mistake.

As to Poly gonaceæ I have been going over them again and am still inclined to limit the Eriogoneæ to those with a

true involucre Eriogonum Chorizanthe and the two or three intermediate genera these have no ocrea and the petioles though dilated at the base do not go all round the stem

Then I must say I think that Eastonia Nemacaulis Hollisteria Eriogonia and Koenigia form a group intermediate between Eriogonea and Eupolygonea. They have no true ocrea though the petioles are dilated and amplexicaul and when (as in most cases) the leaves are opposite or whorled the petioles are united in a ring or sheath they have not the involucre of Eriogonea but their inflorescence is very different from that of Polygonea. The flowers each subtended by a distinct open bract are in a terminal glut head surrounded often by 6 or more? floral leaves, or these heads are in the forks of the flowering branches or are lateral or apparently axillary only by the non development of one fork whilst in Polygonea the flowers are in axillary clusters in the axils of the stem leaves & the upper ones ~~separately~~ racemed more or less into a terminal spike or all united to a terminal spike — sometimes the flowering branches so short as to leave the clusters or spikes or spike in a cluster of leaves at the nodes but still very different from the head of Koenigieae

The ocrea is a secondary character nearly but perhaps not quite constant in Polygonea Rumiceae Coccoloboeae and Triplarideae more or less evanescent or rudimentary in Koenigieae wholly absent in Eriogonea (I include the whole of Polygonaceae in these 4 tribes).

In Polygoneae etc generally the flowers are 2 or more together but sometimes solitary in a loose more or less ~~ocrea~~ like scarious bract often within a scarious subtending bract but these bracts appear variable In Eriogoneae there certainly is a loose bract enclosing the pedicel within the subtending one, whether in the next Mcd & Distorta the flowers seem to be sessile within the bract in others they

the derivation from the classical latin. and accordingly spells it ocrea though in another part of the same text book as also in the index he inadvertently writes orbrea. I think under these circumstances we are bound to revert to the correct classical spelling.

I have got from Hooker the copy of Nyctagineae Illecebraceae and Amarantaceae revised for press and am only waiting for his last revision of Chenopodiaceae and Polygonaceae to put the copy into the printers hand - the remaining orders are all revised for press except Balanophoreae and Gymnospermeae which however can easily be got ready whilst the previous orders are printing. I am getting very anxious to have them in print before my powers wear out.

We have had a nasty cold dreary winter and spring but I do not mind that people are really much the worse for it

Yours very sincerely

George Bentham

Many thanks for the Phytography

sheets of your text book I am much pleased with them. Your text book have the great advantage of being practical as well as theoretical - whilst there is too general a wish now to teach botany almost exclusively in a theoretical point of view

In several of the Chilean Chorizan-
thes there are as evident two ochreae
as in any Polygonum.

The ordinary pair of leaves in the
sheathing. — S.W.

All well. No news.

Tuesday morning